CLAIM AMENDMENTS

1. *(Currently amended)* ~~A monoclonal~~ An isolated monoclonal or recombinant antibody or antigen binding fragment thereof that specifically binds to human telomerase reverse transcriptase (hTRT) protein (SEQ. ID NO:225).

2. *(Previously presented)* An antibody fragment that specifically binds to hTRT protein (SEQ. ID NO:225).

3. *(Original)* The antibody fragment of claim 2, which is an Fab fragment or an $F(ab')_2$ fragment.

4. *(Previously presented)* The antibody or antigen binding fragment of claim 1, which is a human antibody.

5. *(Previously presented)* The antibody or antigen binding fragment of claim 1, which is a single chain antibody.

6. *(Previously presented)* A composition comprising the antibody or antigen binding fragment of claim 1 and a pharmaceutically acceptable carrier.

7. *(Previously presented)* The antibody or antigen binding fragment of claim 1, having a reporter molecule or label that is covalently or noncovalently bound.

8. *(Previously presented)* The antibody or antigen binding fragment of claim 7, wherein the reporter molecule or label is selected from an enzyme, a fluorescent agent, a chemiluminescent agent, a chromatogenic agent, and a magnetic particle.

9. *(Withdrawn) (Currently amended)* A method of identifying ~~hTRT in a biological sample~~ a sample as containing hTRT protein, comprising:

a) combining the ~~biological~~ sample with ~~a monoclonal~~ an isolated monoclonal or recombinant antibody or antigen binding fragment thereof that specifically binds hTRT protein (SEQ. ID NO:225), under conditions where the antibody or fragment forms a complex with hTRT protein;

b) detecting complex formed as a result of a); and

c) identifying the sample as containing hTRT protein if ~~an~~ said antibody protein complex is detected.

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10. *(Withdrawn)* The method of claim 9, which is an enzyme-linked immunosorbant assay method.

11. *(Withdrawn)* The method of claim 9, which is a radioimmunoassay method.

12. *(Withdrawn)* The method of claim 9, wherein the detecting comprises fluorescent activated cell sorting.

13. *(Withdrawn) (Currently amended)* A method of detecting an hTRT polypeptide in a biological sample, comprising:

a) combining the biological sample with ~~a monoclonal~~ an isolated monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 1, under conditions where an antibody forms a complex with hTRT protein ~~(SEQ. ID NO:2)~~ (SEQ. ID NO:225); and

b) detecting complex formed between the antibody or antigen binding fragment and the hTRT polypeptide.

14. *(Withdrawn)* The method of claim 13, which is an enzyme-linked immunosorbant assay method.

15. *(Withdrawn)* The method of claim 13, which is a radioimmunoassay method.

16. *(Withdrawn)* The method of claim 13, wherein the detecting comprises fluorescent activated cell sorting.

17 to 22. *CANCELLED*

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23. *(New)* The antibody or antigen binding fragment of claim 1, which specifically binds to a polypeptide consisting of SEQ. ID NO:225, but does not bind to a polypeptide consisting of SEQ. ID NO:67.

24. *(New)* A method of detecting an hTRT polypeptide in a biological sample, comprising:

a) combining the biological sample with an isolated monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 23, under conditions where an antibody forms a complex with hTRT protein (SEQ. ID NO:225); and

b) detecting complex formed between the antibody or antigen binding fragment and the hTRT polypeptide.

25. *(New)* The antibody or antigen binding fragment of claim 1, which specifically binds to a polypeptide consisting of SEQ. ID NO:67.

26. *(New)* A method of detecting an hTRT polypeptide in a biological sample, comprising:

a) combining the biological sample with an isolated monoclonal or recombinant antibody or antigen binding fragment thereof according to claim 25, under conditions where an antibody forms a complex with a polypeptide consisting of SEQ. ID NO:67; and

b) detecting complex formed between the antibody or antigen binding fragment and the hTRT polypeptide.

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